QUATTRO
PAVIMENTE TEHNICE

TECHNICAL DATA SHEET

PANEL W40 AL/PVC

Panel for access floors made of WOOD chipboard core with edges protected with black ABS and different finish materials applied on top and lower sides. **The factory QUATTRO PAVIMENTE TEHNICE is the first production unit in Romania and South-East EUROPE for access floors.** QUATTRO offers access floor solutions on various types of buildings: offices, command and control, IT, technical rooms, laboratories and research facilities. On-demand we can supply the documentation required for achieving **LEED and BREEAM certification.**

Technical specifications

Panel dimensions	600 x 600 x 38 mm
Thickness	38 mm (+ top and lower finish thickness)
Panel core	~ 720 kg/m3 (±5%), high density wood chipboard
Panel weight	~10 kg/pcs (~ 28 kg/m2);
Suitability of covering	PVC
Panel options lower finish:	Aluminium foil 0.05mm
Electrostatic conductivity for bare panel (permanently conductive) - EN 1081	≥ 1 x 10^6 Ω
Dimensional tolerance - EN 12825	Class 1
Fire combustion class SR EN 13501-1	Bfl - s1 d0
Fire resistance SR EN 13501-2	REI 30
Life expectancy	25 years

Weight Loading Performance

Standard - EN 12825	System	Performaces		Results kN	kg	class
	Panel W40 Wood Chipboard with Pedestals S type	Breaking point	Center of panel	11.5	1172	5
			Midle of panel edge	7.3	745	2
			Diagonal 70 mm	6.4	652	2
		Working point		1500 kg / sqm		
		Fire reaction		Bfl s1 d0		
				REI 30		
		Deflection		Class A <2,5 mm		

Standard - EN 12825	System	Performaces		Results kN	kg	class
	Panel W40 Wood Chipboard with Pedestals S type and Stringers TSB	Breaking point	Center of panel	13.5	1376	6
			Midle of panel edge	11.8	969	4
			Diagonal 70 mm	10.8	867	4
		Working point		1650 kg / sqm		
		Fire reaction		Bfl s1 d0		
				REI 30		
		Deflection		Class A <2,5 mm		

**Distributed load according to NF P67 101 > 12-13kN/sqm

Panel Electrical Performance

Electrostatic comportament Standard	EN 1815	(according to top finish)	< 2kV
Electrostatic conductivity*	EN 1081	OHM	≥ 10^8

* Panel electric properties may vary depending on upper/lower finishing and panel construction as follows

Panel Fire Behaviour

Building material class	SR EN 13501-1	Class	Bfl sl d0
Fire Resistance	SR EN 13501-2	REI	30 min

Panel Soundproofing (EN ISO 140)

Sound attenuation	dB	to be tested

* Panel soundproofing properties increase depending on upper/lower finishing

Panel Thermal Isulation

W/mK = 0,13*

Panel thermal insulation properties increase depending on upper/lower finishing

Evaluation of Eurofins Emmision tests

Panel Type	EN312	Tip P2	Particle board El
Formaldehida emission	SR EN120	Class El	<8mg/100g
Formaldehida emmision	EN717-2	aprooved	under limit

Presentation and packing

Palett	1200 x 600 x 1400 mm
Quantity per palett	24.48 sqm
Panels per palett	68 panels
Weight per palett	690kg (Brutto)

*Above values may vary depending on applied upper finishing.

NOTICE:
Some performances of the panel may be improved by different finishing applied on panel topside. Please ask for finishing Technical Datasheet

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